

**GIS REGISTRY INFORMATION**

<b>SITE NAME:</b>	NICHOLS COOP	(OLD SITE...NO GIS FEE REQUIRED)
<b>BRRTS #:</b>	02-45-000141	<b>FID # (if appropriate):</b>
<b>COMMERCE # (if appropriate):</b>	54152-9999-70	
<b>CLOSURE DATE:</b>	08/12/2004	
<b>STREET ADDRESS:</b>	W5570 STATE HWY 168	
<b>CITY:</b>	NICHOLS	
<b>SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):</b>	X= <u>642094</u>	Y= <u>455807</u>
<b>CONTAMINATED MEDIA:</b>	Groundwater <input checked="" type="checkbox"/>	Soil <input type="checkbox"/> Both <input type="checkbox"/>
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>IF YES, STREET ADDRESS 1:</b>	_____	
<b>GPS COORDINATES (meters in WTM91 projection):</b>	X= _____	Y= _____
<b>OFF-SOURCE SOIL CONTAMINATION &gt;Generic or Site-Specific RCL (SSRCL):</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>IF YES, STREET ADDRESS 1:</b>	_____	
<b>GPS COORDINATES (meters in WTM91 projection):</b>	X= _____	Y= _____
<b>CONTAMINATION IN RIGHT OF WAY:</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>DOCUMENTS NEEDED:</b>		
Closure Letter, and any conditional closure letter issued		X
Copy of most recent deed, including legal description, for all affected properties		X
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties		NA
County Parcel ID number, if used for county, for all affected properties		X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.		X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.		X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)		X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)		NA
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.		X
GW: Table of water level elevations, with sampling dates, and free product noted if present		X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)		X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour		NA
Geologic cross-sections, if required for SI. (8.5x14" if paper copy)		NA
RP certified statement that legal descriptions are complete and accurate: SIGNATURE ON DEED RESTRICTION		X
Copies of off-source notification letters (if applicable)		NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)		NA
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure		X



August 12, 2004

Mr. Keith Maney  
Scenic Valley Cooperative  
PO Box 158  
Seymour, WI 54165-0158

RE: Final Closure

Commerce # 54152-9999-70      WDNR BRRTS # 02-45-000141  
Nichols Coop Bulk Facility, W5570 State Highway 168, Nichols

Dear Mr. Maney:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 303-5410.

Sincerely,

A handwritten signature in black ink that reads "Beth A. Erdman". The signature is written in a cursive, flowing style.

Beth A. Erdman  
Hydrogeologist  
Site Review Section

cc: Paul Carter-West Central Environmental Consultants  
Case File



ENVIRONMENTAL & REGULATORY SERVICES  
2129 Jackson Street  
Oshkosh, Wisconsin 54901  
(920) 424-0025  
TDD #: (608) 264-8777  
www.commerce.state.wi.us

Tommy G. Thompson, Governor  
Brenda J. Blanchard, Secretary

May 19, 2000

Mr. Gary Sutherland  
Scenic Valley Co-op  
PO Box 158  
Seymour WI 54165-0158

Subject: Conditional Case Closure – Nichols Co-op Bulk Facility  
W5570 Hwy 168, Nichols  
COMMERCE #54152-9999-70 DNR #02-45-000141

Dear Mr. Sutherland:

The above referenced site was reviewed for closure by Wisconsin Department of Commerce PECFA Site Review staff in response to the closure request prepared by West Central Environmental Consultants. The Wisconsin Department of Natural Resources (WDNR) transferred this site to the Wisconsin Department of Commerce on April 4, 2000 for regulatory oversight. It is understood that there is residual soil and groundwater contamination present on site. Using the standards established in NR 700, and the risk criteria of Comm 46, the Department has determined that this site does not pose a significant threat to the environment and human health and no further investigation or remedial action is necessary.

The following items are necessary to satisfy the conditions of closure:

1. A notification must be placed on the property deed addressing residual soil and groundwater impacts. Enclosed is an example of a "Notice of Contamination to Property" for your use. If you wish to modify the language, submit a copy to this office for approval prior to filing. For case closure we will need a copy of the deed notification that contains the County Register of Deeds' recording information.
2. All monitoring well and extraction well abandonment forms.

**IMPORTANT:** Before this case can be officially listed as "closed" on the Wisconsin Department of Commerce/Natural Resources computer database, you or your consultant must submit the requested information.

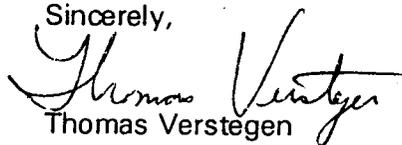
If, in the future, site conditions indicate that any contamination that remains poses a threat, the need for further remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

It is important to realize that if the land use conditions change in the future and the contaminated soil is disturbed, appropriate measures must be implemented to assure any residual contamination is managed following all applicable State of Wisconsin regulations and standards.

Conditional Closure  
Nichols Co-op Bulk Facility 54152-9999-70  
W5570 Hwy 168, Nichols

If you have any questions, feel free to contact me at (920)424-0025.

Sincerely,



Thomas Verstegen  
Hydrogeologist  
Department of Commerce

cc → PECFA File - pf\pecfa\541\54152\999970\close well.doc  
Mr. James Rachey - West Central Environmental Consultants



determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this 19 day of May 2004

[When appropriate use the following clause]:

By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of Scenic Valley Cooperative

Signature: [Handwritten Signature]

Printed Name: Dorinda Evans

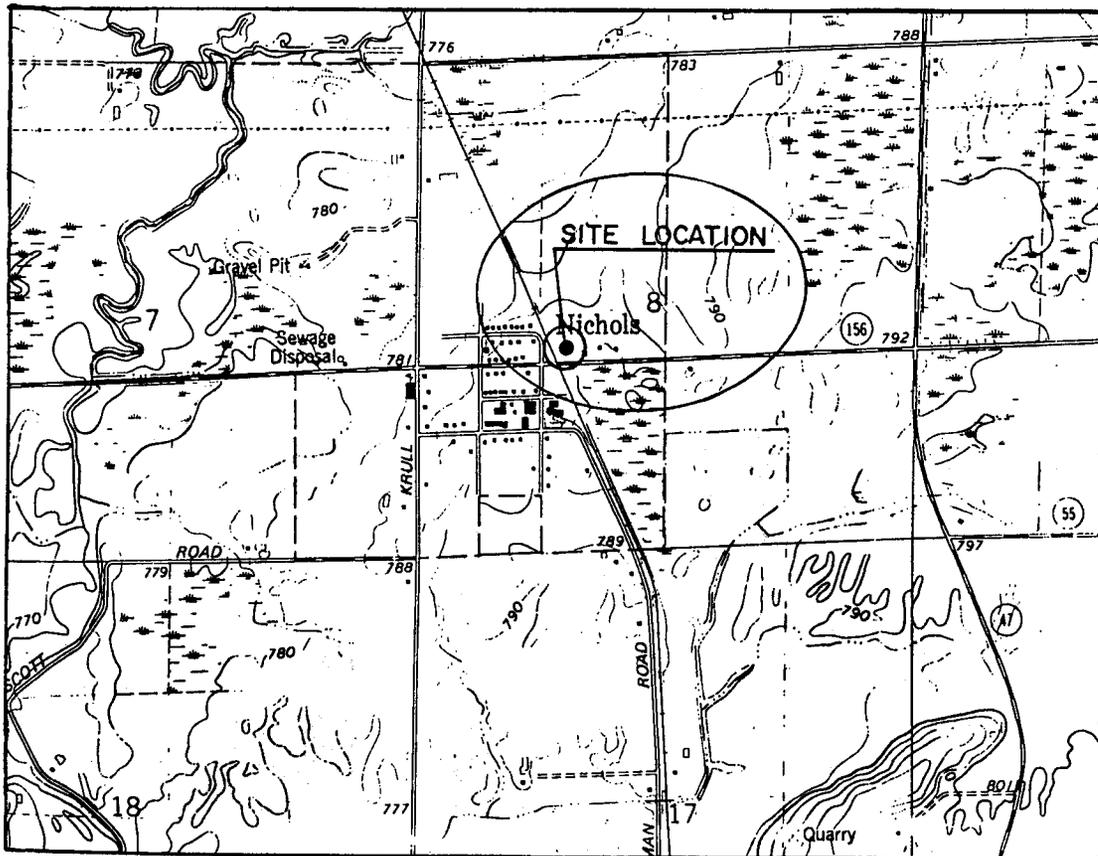
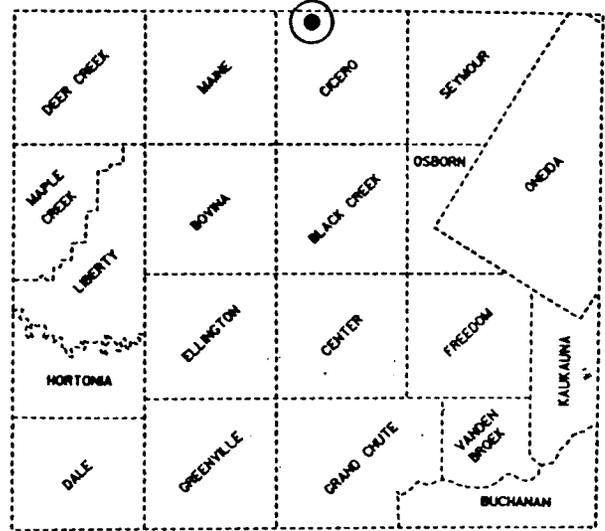
Title: General Manager

Subscribed and sworn to before me this 21 day of May, 2004.

Mary Kay Clever  
Notary Public, State of Wisconsin  
My commission expires 5-7-06

This document was drafted by the Wisconsin Department of Commerce.

NICHOLS CO-OP  
 P.O. BOX 168  
 NICHOLS, WI. 54152



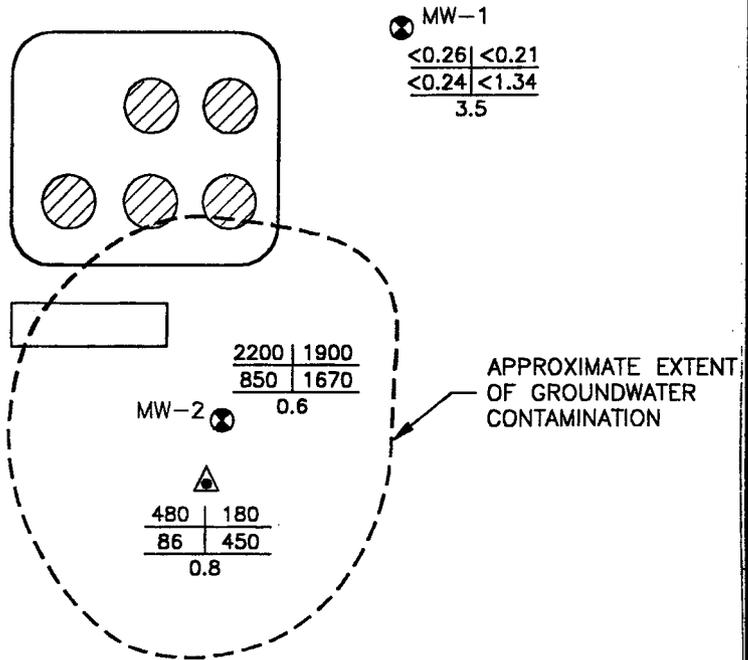
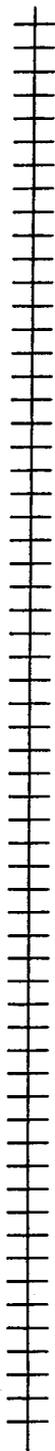
121

FIGURE 1  
 SITE LOCATION MAP

N 609 A GLM

**OMNI ENGINEERS**

303 SOUTH BLUEMOUND DRIVE  
 APPLETON, WI 54914 (414)739-7814



MW-3

0.30	<0.21
<0.24	<1.34
1.8	

MW-2

2200	1900
850	1670
0.6	

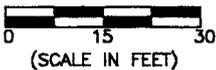
Recovery Well

480	180
86	450
0.8	

LEGEND:

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- ABOVE GROUND STORAGE TANK (AST)
- RAILROAD TRACKS

BENZENE	TOLUENE	CHEMISTRY DATA FOR 5/7/98 ALL BTEX READINGS IN ug/l (ppb) DISSOLVED OXYGEN IN (ppm)
ETHYLENE	XYLENE	
DISSOLVED OXYGEN		



FILE #: W00598-2

**WCEC**  
ENVIRONMENTAL CONSULTANTS

7871 Hickory Street, NE, Fridley, Minnesota 55432

**Figure 2: Ground Water Contamination and Dissolved Oxygen Distribution Map**  
Nichols Co-op Bulk  
Nichols, Wisconsin  
WCEC Project No. 92-354-50

Table 3  
Groundwater Quality  
Nichols Co-op Bulk Facility  
92-354-50 Table 3 (MW-1)

DATE	8/27/91	11/27/91	11/9/93	2/8/94	6/28/94	2/19/98	5/7/98	2/2/99	5/5/99	8/3/99	11/4/99
ANALYSIS											
PVOC 1,3,5-Trimethylbenzene	-	ND	ND	ND	ND	<0.34	<0.54	-	<0.54	<0.54	<0.54
1,2,4-Trimethylbenzene	-	ND	ND	ND	1.2	<0.30	<0.86	-	<0.86	<0.86	<0.86
Benzene	ND	ND	ND	ND	ND	<0.16	<0.26	-	<0.26	<0.26	<0.26
Toluene	ND	ND	ND	ND	1.1	<0.36	<0.21	-	<0.21	<0.21	<0.21
Ethyl-benzene	ND	ND	ND	ND	ND	<0.29	<0.24	-	<0.24	<0.24	<0.24
m- and p- Xylene (coelute)	-	-	-	-	-	<0.94	<0.97	-	<0.97	<0.97	<0.97
o- Xylene and Styrene	-	-	-	-	-	<0.21	<0.37	-	<0.37	<0.37	<0.37
MTBE	-	ND	ND	ND	ND	<0.20	<0.22	-	<0.22	<0.22	<.22
GRO	-	ND	ND	ND	-	<50	<50	-	<50	<50	<50

Note: - indicates well was not analyzed during that event  
 - ND indicates sample was below laboratory detection limits.  
 - all results are in ug/l

Table 3  
Groundwater Quality  
Nichols Co-op Bulk Facility  
92-354-50 Table 3 (MW-2)

DATE	8/27/91	11/27/91	9/3/92	12/3/92	3/4/93	6/15/93	Dup.		8/17/93	11/9/93	2/8/94	6/28/94	9/27/94	11/14/94	2/7/95	Dup.		5/2/95	8/9/95	Dup.		11/9/95	Dup.		5/17/96	Dup.	
ANALYSIS																											
PVOC	1,3,5-Trimethylbenzene	-	86	260	390	290	400	400	296	247	330	176	390	640	610	540	220	270	290	540	560	290	270	290	560	290	270
	1,2,4-Trimethylbenzene	-	310	1000	1500	940	1400	1400	797	1180	1400	739	1500	1700	1800	160	880	850	850	2600	2800	940	850	2600	2800	940	850
	Benzene	5900	4500	18000	22000	12000	19000	18000	4650	9780	7200	3750	11000	8300	7500	3400	3400	2900	5500	7000	4000	3900	5500	7000	4000	3900	
	Toluene	8200	4600	24000	43000	34000	31000	30000	2570	13200	23000	4450	31000	25000	27000	25000	19000	3900	3000	10000	15000	7800	6100	10000	15000	7800	6100
	Ethyl-benzene	930	540	1500	2300	1600	2000	1900	1290	1700	1800	323	2100	1800	2400	2200	1400	1000	950	1600	1700	1300	1200	1600	1700	1300	1200
	m- and p- Xylene	-	-	-	-	5500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3700	3200	-	-	3700	3200
	o- Xylene	-	-	-	-	2900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820	670	-	-	820	670
	Total Xylenes	3500	1870	8800	13000	8400	10000	10000	4330	6820	7500	3950	13000	9200	12000	10000	6300	3200	3100	5700	7600	4520	3870	5700	7600	4520	3870
	MTBE	<1.0+	-	13000	3200	2.4	15000	15000	5820	1730	4800	2170	470	1300	1100	1100	1900	1800	1700	2800	2800	1900	2100	2800	2800	1900	2100
GRO																											
		-	-	76	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DATE	8/14/96	11/15/96	5/9/97	8/14/97	2/19/98	5/7/98	8/4/98	11/4/98	2/2/99	5/5/99	8/3/99	11/4/99										
ANALYSIS																						
PVOC	1,3,5-Trimethylbenzene	350	320	460	500	480	150	230	400	240	320	170	200	160	180	-	180	200	120	160	10	
	1,2,4-Trimethylbenzene	1,000	960	1,400	1,600	1,600	360	600	1,200	580	980	350	380	240	280	-	370	400	210	280	17	
	Benzene	2,800	2,800	4,900	6,300	5,900	1,000	1,700	3,200	2,200	2,300	1,200	1,200	1,100	1,300	-	1,800	1,700	750	970	62	
	Toluene	8,900	9,500	26,000	39,000	38,000	1,100	1,800	11,000	1,900	4,700	450	350	99	100	-	650	960	49	69	8.4	
	Ethyl-benzene	1,200	1,200	1,900	2,600	2,600	350	790	1,600	850	1,100	450	540	330	470	-	610	700	420	580	28	
	m- and p- Xylene	4,400	4,500	7,400	9,900	9,800	1,200	1,900	5,400	1,500	2,300	730	790	540	590	-	820	960	480	680	44	
	o- Xylene	730	840	1,900	3,800	3,800	130	170	1,300	170	310	56	44	28	33	-	100	110	35	52	5.8	
	Total Xylenes	5,130	5,340	9,300	13,700	13,600	1,330	2,070	6,700	1,670	2,610	786	834	568	623	-	920	1,070	515	732		
	MTBE	410	440	ND	110 q	130 q	250	420	490	1,200	-	470	290	640	660	-	1,500	1,200	770	740	250	
GRO																						
		-	-	-	-	-	-	36,000	15,000	-	-	-	-	-	-	-	10,000	-	6,000	-	830	

Note: - indicates well was not analyzed during that event  
 - ND indicates sample was below laboratory detection limits.  
 - all results are in ug/l

Table 3  
Groundwater Quality  
Nichols Co-op Bulk Facility  
92-354-50 Table 3 (MW-3)

DATE	8/27/91	11/27/91	9/3/92	12/3/92	3/4/93	6/15/93	8/17/93	Dup.		11/9/93	2/8/94	Dup.		6/28/94	9/27/94	11/14/94	Dup.		2/7/95	5/2/95	
<b>ANALYSIS</b>																					
PVOC 1,3,5-Trimethylbenzene			ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene			ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	19	41	ND	ND	ND	ND	1,4	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	6	43	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl-benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1.6	ND	ND	ND	ND
m- and p- Xylene (coelute)																					
o- Xylene and Styrene																					
Total Xylenes	ND	15	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	2.2	1.2	1.4	ND	ND	ND	ND	ND
MTBE			24	1.7	18	7.5	16.1	17	ND	25	30	11.5	ND	ND	ND	ND	ND	ND	ND	ND	24
GRO			ND	ND																	

DATE	8/9/95	11/9/95	5/17/96	8/14/96	11/15/96	8/14/97	11/5/97	2/19/98	5/7/98	8/4/98	11/4/98	2/2/99	Dup.				5/5/99	8/3/99	11/4/99		
<b>ANALYSIS</b>																					
PVOC 1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.31 q	ND	<0.34	<0.54	<0.54	<0.27	<0.54	<0.54	<0.54	<0.62	<0.54					
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	<0.30	<0.86	<0.86	<0.27	0.89	0.87	1.5	1.2	<0.86					
Benzene	ND	ND	ND	ND	ND	ND	ND	<0.16	0.3	<0.26	<0.27	1.6	1.4	4.8	7.3	2.5					
Toluene	ND	ND	ND	ND	ND	ND	ND	<0.36	<0.21	<0.21	<0.27	<0.21	<0.21	<0.21	0.21	0.29					
Ethyl-benzene	ND	ND	ND	ND	ND	ND	ND	<0.29	<0.24	<0.24	<0.32	<0.24	<0.24	<0.54	<0.24	<0.24					
m- and p- Xylene (coelute)			ND	ND	ND	ND	ND	<0.94	<0.97	<0.97	<0.43	<0.97	<0.97	<0.97	<0.97	<0.97					
o- Xylene and Styrene			ND	ND	ND	ND	ND	<0.21	<0.37	<0.37	<0.24	<0.97	<0.37	0.96	<0.37	<0.37					
MTBE	ND	ND	1.8	2.8	ND	7.0	ND	0.37	5.9	24	0.58	3.3	3.2	4.2	3.9	0.99					
GRO								<50	<50									130	<50		

Note: - indicates well was not analyzed during that event  
 - ND indicates sample was below laboratory detection limits.  
 - all results are in ug/l

Table 3  
Groundwater Quality  
Nichols Co-op Bulk Facility  
92-354-50 Table 3 (MW-4)

DATE	8/27/91	11/27/91	9/3/92	12/3/92	3/4/93	6/15/93	8/17/93	11/9/93	2/8/94	6/28/94	9/27/94	11/14/94	2/7/95	5/2/95	8/8/95	11/9/95
ANALYSIS																
PVOC			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene			ND	ND	ND	0.30 q	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl-benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m- and p- Xylene (coelute)						ND	ND									
o- Xylene and Styrene						ND	ND									
Total Xylenes	ND	ND	1.6	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE			130	ND	ND	0.43 q	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GRO			ND	ND												

DATE	5/17/96	8/14/96	11/15/96	5/9/97	8/14/97	11/5/97	2/19/98	5/7/98	8/4/98	11/4/98	2/2/99	5/5/99	8/3/99	11/4/99
ANALYSIS														
PVOC	ND	ND	ND	ND	ND	ND	<0.34	<0.54	<0.54	<0.27	<0.54	<0.54	<0.54	<0.54
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	0.34	<0.86	1	<0.22	<0.86	<0.86	<0.86	<0.86
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	<0.16	<0.26	3.5	<0.27	<0.26	<0.26	<0.26	<0.26
Benzene	ND	ND	ND	ND	ND	ND	<0.36	<0.21	0.4	<0.27	<0.21	<0.21	<0.21	<0.21
Toluene	ND	ND	ND	ND	ND	ND	<0.29	<0.24	<0.24	<0.32	<0.24	<0.24	<0.24	<0.24
Ethyl-benzene	ND	ND	ND	ND	ND	ND	<0.94	<0.97	<0.97	<0.43	<0.97	<0.97	<0.97	<0.97
m- and p- Xylene (coelute)							<0.21	<0.37	<0.37	<0.24	<0.37	<0.37	<0.37	<0.37
o- Xylene and Styrene														
Total Xylenes	ND	ND	ND	ND	ND	ND								
MTBE	ND	ND	ND	ND	ND	ND	<0.20	2.6	3.2	13	2	3.4	0.33	33
GRO							<50	<50					<50	<50

Note: - indicates well was not analyzed during that event  
 - ND indicates sample was below laboratory detection limits.  
 - all results are in ug/l

Table 3  
Groundwater Quality  
Nichols Co-op Bulk Facility  
92-354-50 Table 3 (REC-1)

DATE	2/19/98	5/7/98	8/4/98	11/4/98	2/2/98	5/5/99	8/3/99	11/4/99	Dup.
ANALYSIS									
PVOC 1,3,5-Trimethylbenzene	35	24	87	55	-	39	31	67	70
1,2,4-Trimethylbenzene	69	76	260	160	-	130	110	200	240
Benzene	120	480	1400	500	-	940	790	1,200	1,300
Toluene	370	180	630	110	-	32	58	140	150
Ethyl-benzene	39	86	360	140	-	190	180	330	370
m- and p- Xylene (coelute)	260	330	1100	400	-	340	280	730	850
o- Xylene and Styrene	100	120	320	130	-	62	78	230	250
MTBE	66	340	800	430	-	660	540	1300	1,500
GRO	1800	2500	-	-	-	3,800	3,600	5,500	-

Note: - indicates well was not analyzed during that event  
 - ND indicates sample was below laboratory detection limits.  
 - all results are in ug/l

TABLE 1  
MONITORING WELL WATER LEVEL DATA

WCEC Project No. 92-354-50  
Nichols Co-op Bulk

All measurements are from the top of the well casing.  
Elevations are based on a 100-foot datum.

Sampling Location	Elevation (ft)	Date	Free Product Thickness (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	
MW 1 Depth to screen: 3.00'	100.20	6/3/92	ND	3.62	96.58	
		6/26/92	ND	4.78	95.42	
		9/3/92	ND	5.98	94.22	
		12/3/92	ND	1.13	99.07	
		11/9/93	ND	2.86	97.34	
		2/8/94	ND	5.15	95.05	
		6/28/94	ND	5.40	94.80	
		11/14/94	ND	4.52	95.68	
		2/7/95	ND	5.94	94.26	
		5/2/95	ND	2.09	98.11	
		7/13/95	ND	5.67	94.53	
		8/9/95	-	well under water	-	-
		9/12/95	ND	3.46	96.74	
		10/10/95	ND	1.20	99.00	
		11/9/95	ND	1.79	98.41	
		12/14/95	-	snow covered	-	-
		1/10/96	ND	4.25	95.95	
		5/17/96	ND	1.22	98.98	
		6/12/96	ND	1.93	98.27	
		7/26/96	ND	4.29	95.91	
		8/14/96	ND	4.59	95.61	
		9/10/96	ND	5.11	95.09	
		10/15/96	ND	6.28	93.92	
		11/15/96	ND	5.35	94.85	
		12/11/96	ND	4.98	95.22	
		1/9/97	ND	5.23	94.97	
		2/21/97	ND	5.03	95.17	
		3/12/97	ND	3.68	96.52	
		4/9/97	ND	1.62	98.58	
		5/9/97	ND	1.08	99.12	
		6/12/97	ND	3.01	97.19	
		7/9/97	ND	3.35	96.85	
		8/14/97	ND	5.78	94.42	
		9/10/97	ND	3.01	97.19	
		10/3/97	ND	4.95	95.25	
		11/5/97	ND	5.39	94.81	
		12/11/97	ND	5.42	94.78	
		2/19/98	ND	4.43	95.77	
		5/7/98	ND	3.27	96.93	
		8/4/98	ND	4.43	95.77	
11/4/98	ND	5.47	94.73			
2/2/99	ND	5.05	95.15			
5/5/99	ND	4.10	96.10			
8/3/99	ND	4.20	96.00			
11/4/99	ND	7.02	93.18			

92-354-50 Table 1 (continued)

Sampling Location	Elevation (ft)	Date	Free Product Thickness (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	
MW 2 Depth to screen: 3.00'	99.86	6/3/92	ND	4.78	95.08	
		6/26/92	ND	7.10	92.76	
		9/3/92	ND	7.93	91.93	
		12/3/92	ND	3.56	96.30	
		3/4/93	ND	6.46	93.40	
		6/15/93	ND	2.58	97.28	
		8/17/93	ND	4.07	95.79	
		11/9/93	ND	4.47	95.39	
		2/8/94	ND	6.45	93.41	
		6/28/94	ND	6.25	93.61	
		11/14/94	ND	4.59	95.27	
		2/7/95	ND	7.25	92.61	
		5/2/95	ND	3.22	96.64	
		7/13/95	ND	6.61	93.25	
		8/9/95	ND	6.62	93.24	
		9/12/95	ND	4.18	95.68	
		10/10/95	ND	2.95	96.91	
		11/9/95	ND	2.67	97.19	
		12/14/95	-	-	snow covered	-
		1/10/96	ND	-	5.66	94.20
		5/17/96	ND	-	2.21	97.65
		6/12/96	ND	-	3.21	96.65
		7/26/96	ND	-	5.45	94.41
		8/14/96	ND	-	5.24	94.62
		9/10/96	ND	-	6.04	93.82
		10/15/96	-	-	gravel covered	-
		11/15/96	ND	-	6.03	93.83
		12/11/96	ND	-	5.67	94.19
		1/9/97	ND	-	5.89	93.97
		2/21/97	ND	-	5.65	94.21
		3/12/97	ND	-	3.97	95.89
		4/9/97	ND	-	3.15	96.71
		5/9/97	ND	-	2.70	97.16
		6/12/97	ND	-	4.30	95.56
		7/9/97	ND	-	4.37	95.49
		8/14/97	ND	-	6.47	93.39
		9/10/97	ND	-	3.91	95.95
		10/3/97	ND	-	5.71	94.15
		11/5/97	ND	-	5.55	94.31
		12/11/97	ND	-	5.56	94.30
		2/19/98	ND	-	5.56	94.64
5/7/98	ND	-	4.60	95.60		
8/4/98	ND	-	6.66	93.54		
11/4/98	ND	-	5.98	94.22		
2/2/99	-	-	-	-		
5/5/99	ND	-	4.93	94.93		
8/3/99	ND	-	4.73	95.13		
11/4/99	ND	-	7.27	92.59		

92-354-50 Table 1 (continued)

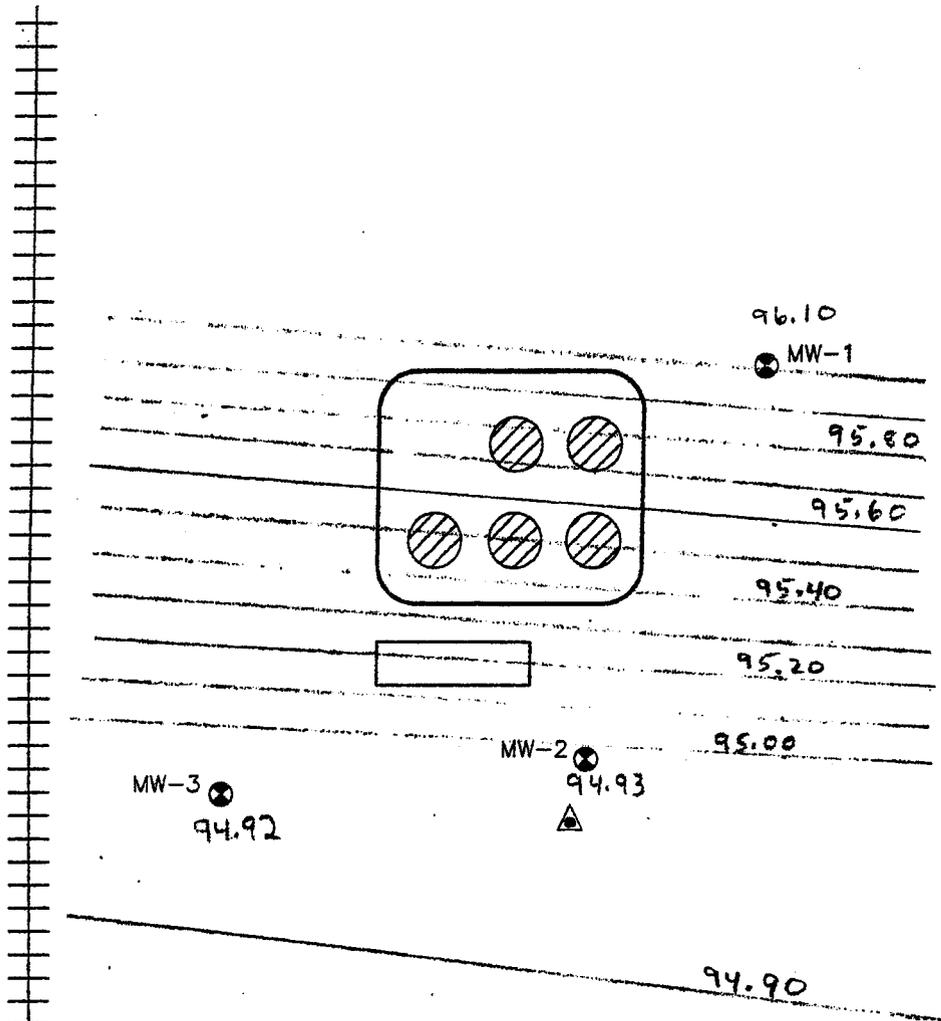
Sampling Location	Elevation (ft)	Date	Free Product Thickness (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW 3 Depth to screen: 3.00'	99.65	6/3/92	ND	4.50	95.15
		6/26/92	ND	4.91	94.74
		9/3/92	ND	6.65	93.00
		12/3/92	ND	2.37	97.28
		3/4/93	ND	5.84	93.81
		6/15/93	ND	1.90	97.75
		8/17/93	ND	3.84	95.81
		11/9/93	ND	3.35	96.30
		2/8/94	ND	6.15	93.50
		6/28/94	ND	5.95	93.70
		11/14/94	ND	4.54	95.11
		2/7/95	ND	6.45	93.20
		5/2/95	ND	2.73	96.92
		7/13/95	ND	6.28	93.37
		8/9/95	ND	5.43	94.22
		9/12/95	ND	3.73	95.92
		10/10/95	ND	2.90	96.75
		11/9/95	ND	2.55	97.10
		12/14/95	-	snow covered	-
		1/10/96	-	snow covered	-
		5/17/96	ND	2.21	97.44
		6/12/96	ND	2.95	96.70
		7/26/96	ND	5.05	94.60
		8/14/96	ND	5.07	94.58
		9/10/96	ND	5.96	93.69
		10/15/96	ND	6.55	93.10
		11/15/96	ND	5.51	94.14
		12/11/96	ND	5.05	94.60
		1/9/97	ND	5.37	94.28
		2/21/97	-	snow covered	-
		3/12/97	-	snow covered	-
		4/9/97	ND	3.03	96.62
		5/9/97	ND	2.09	97.56
		6/12/97	ND	3.98	95.67
		7/9/97	ND	3.89	95.76
		8/14/97	ND	6.17	93.48
		9/10/97	ND	3.43	96.22
		10/3/97	ND	5.63	94.02
		11/5/97	ND	4.84	94.81
		12/11/97	ND	4.90	94.75
2/19/98	ND	3.92	96.28		
5/7/98	ND	4.57	95.63		
8/4/98	ND	6.54	93.66		
11/4/98	ND	5.84	94.36		
2/2/99	ND	4.85	94.80		
5/5/99	ND	4.73	94.92		
8/3/99	ND	4.46	95.19		
11/4/99	ND	6.87	92.78		

92-354-50 Table 1 (continued)

Sampling Location	Elevation (ft)	Date	Free Product Thickness (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW 4 Depth to screen: 3.00'	99.67	6/3/92	ND	4.66	95.01
		6/26/92	ND	4.91	94.76
		9/3/92	ND	6.64	93.03
		12/3/92	ND	1.99	97.68
		11/14/94	ND	4.08	95.59
		2/7/95	ND	6.59	93.08
		5/2/95	ND	2.70	96.97
		7/13/95	ND	6.29	93.38
		8/9/95	ND	4.97	94.70
		9/12/95	ND	3.66	96.01
		10/10/95	ND	1.70	97.97
		11/9/95	ND	2.55	97.12
		12/14/95	ND	5.02	94.65
		1/10/96	ND	5.41	94.26
		5/17/96	ND	2.20	97.47
		6/12/96	ND	2.87	96.80
		7/26/96	ND	4.90	94.77
		8/14/96	ND	4.91	94.76
		9/10/96	ND	5.22	94.45
		10/15/96	ND	6.37	93.30
		11/15/96	ND	5.28	94.39
		12/11/96	ND	4.75	94.92
		1/9/97	ND	5.28	94.39
		2/21/97	ND	4.90	94.77
		3/12/97	ND	2.35	97.32
		4/9/97	ND	2.16	97.51
		5/9/97	ND	1.45	98.22
		6/12/97	ND	3.88	95.79
		7/9/97	ND	3.46	96.21
		8/14/97	ND	5.98	93.69
		9/10/97	ND	3.21	96.46
		10/3/97	ND	5.41	94.26
11/5/97	ND	5.19	94.48		
12/11/97	ND	5.22	94.45		
2/19/98	ND	3.39	96.81		
5/7/98	ND	4.58	95.62		
8/4/98	ND	6.63	93.57		
11/4/98	ND	5.48	94.72		
2/2/99	ND	4.71	94.96		
5/5/99	ND	4.79	94.88		
8/3/99	ND	4.31	95.36		
11/4/99	ND	6.64	93.03		

92-354-50 Table 1 (continued)

Sampling Location	Elevation (ft)	Date	Free Product Thickness (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
Recovery Well Depth to screen: 3.00'	100.00	6/3/92	ND	4.63	95.37
		6/26/92	ND	14.00	86.00
		9/3/92	ND	14.00	86.00
		12/3/92	ND	14.00	86.00
		3/4/93	ND	6.20	93.80
		8/17/93	ND	4.21	95.79
		7/13/95	ND	8.74	91.26
		8/9/95	ND	8.56	91.44
		9/12/95	ND	15.25	84.75
		10/10/95	ND	13.00	87.00
		11/9/95	ND	2.90	97.10
		12/14/95	-	snow covered	-
		1/10/96	ND	6.01	93.99
		5/17/96	ND	2.11	97.89
		6/12/96	ND	8.91	91.09
		7/26/96	ND	15.24	84.76
		8/14/96	ND	7.25	92.75
		9/10/96	ND	15.30	84.70
		10/15/96	-	gravel covered	-
		11/15/96	ND	14.70	85.30
		12/11/96	ND	15.00	85.00
		1/9/97	ND	14.95	85.05
		2/21/97	ND	14.71	85.29
		3/12/97	ND	15.28	84.72
		4/9/97	ND	14.20	85.80
		5/9/97	ND	15.30	84.70
		6/12/97	ND	15.18	84.82
		7/9/97	system off	4.18	95.82
		8/14/97	system off	7.30	92.70
		9/10/97	system off	7.29	92.71
		10/3/97	system off	5.05	94.95
		2/19/98	system off	4.68	95.52
		5/7/98	system off	4.68	95.52
8/4/98	system off	6.38	93.82		
11/4/98	system off	5.66	94.54		
2/2/99	system off	-	-		
5/5/99	system off	4.14	95.86		
8/3/99	system off	4.57	95.43		
11/4/99	system off	7.08	92.92		



- LEGEND:
- MONITORING WELL LOCATION
  - RECOVERY WELL LOCATION
  - ABOVE GROUND STORAGE TANK (AST)
  - RAILROAD TRACKS

0 15 30  
 (SCALE IN FEET)

FILE #: W00598-2

**WCEC**  
 ENVIRONMENTAL CONSULTANTS

7871 Hickory Street NE, Fridley, MN 55432

**Figure 1a: Groundwater Contour Map  
 for May 5, 1999**  
 Nichols Co-op Bulk  
 Nichols, Wisconsin  
 WCEC Project No. 92-354-50